

Patent Claims

1. An apparatus for electrodeposition, in particular for the electrodeposition of shaped dental parts, such as skeletons for crowns, inlays, bridges and the like, having at least one current/voltage source and electrodes which can be arranged in a vessel that can be filled with an electrolyte, characterized in that there is at least one magnetic connecting means for producing the electrical contact for the electrodeposition between at least one electrode and the current/voltage source.
- 10 2. The apparatus as claimed in claim 1, characterized in that the magnetic connecting means comprises two parts which interact with one another through magnetic force.
- 15 3. The apparatus as claimed in claim 2, characterized in that the magnetic connecting means comprises two magnets.
4. The apparatus as claimed in claim 2, characterized in that the magnetic connecting means comprises a magnet and a magnetizable metal part.
- 20 5. The apparatus as claimed in claim 3 or claim 4, characterized in that the magnet has a round cross-sectional area.
- 25 6. The apparatus as claimed in one of claims 2 to 5, characterized in that one of the parts of the magnetic connecting means, in particular a magnet, is assigned to the current/voltage source.
- 30 7. The apparatus as claimed in claim 6, characterized in that the part, in particular the magnet, is assigned to a head or cover part which, during the electrodeposition, is located above the vessel that can be filled with the electrolyte and at which the electrodes are preferably also arranged.

8. The apparatus as claimed in claim 6 or 7, characterized in that the magnet is arranged in a sleeve-like component.

9. The apparatus as claimed in one of claims 2 to 8, characterized in  
5 that one part of the magnetic connecting means is assigned to an electrode  
or part of an electrode.

10. The apparatus as claimed in claim 9, characterized in that the  
electrode or the electrode part is of rod-like design.

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11. The apparatus as claimed in claim 9 or claim 10, characterized in  
that the magnet is arranged in a sleeve-like receptacle in the electrode or in  
the electrode part.

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12. An electrode for electrodedeposition, in particular for the  
electrodeposition of shaped dental parts, such as skeletons for crowns,  
inlays, bridges and the like, characterized in that it has at least one  
magnetic connecting means, in particular one part of a two-part magnetic  
connecting means.

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13. The electrode as claimed in claim 12, characterized in that it is of  
rod-like design.

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14. The electrode as claimed in claim 12 or claim 13, characterized in  
that the magnetic connecting means is arranged at one end of the  
electrode, this end preferably being the end assigned to a current/voltage  
source during the electrodeposition.

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15. The electrode as claimed in one of claims 12 to 14, characterized in  
that the magnetic connecting means is a magnet.

16. The electrode as claimed in claim 15, characterized in that the  
magnet is arranged in a sleeve-like receptacle in the electrode, it preferably

being possible for this receptacle to be closed off by a cover part.

17. The electrode as claimed in one of claims 12 to 16, characterized in that the end of the electrode without magnetic connecting means has a smaller cross-sectional area than the end of the electrode with magnetic connecting means, the end without magnetic connecting means preferably narrowing conically or tapering to a point.  
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18. The electrode as claimed in one of claims 12 to 17, characterized in that it is provided with an electrically nonconductive coating, in particular a plastic coating, the end of the electrode without magnetic connecting means preferably being devoid of a coating of this type.  
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19. A current/voltage source for electrodeposition, in particular for the electrodeposition of shaped dental parts, such as skeletons for crowns, inlays, bridges and the like, characterized in that it has at least one magnetic connecting means, in particular at least one part of a two-part magnetic connecting means.  
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20. The current/voltage source as claimed in claim 19, characterized in that the magnetic connecting means is a magnet.  
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21. The current/voltage source as claimed in claim 20, characterized in that the magnet is arranged in a sleeve-like receptacle, it preferably being possible for this receptacle to be closed off by a cover part.  
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22. A head or cover part for electrodeposition, in particular for the electrodeposition of shaped dental parts, such as skeletons for crowns, inlays, bridges and the like, this head or cover part, during the electrodeposition, being arranged above a vessel that can be filled with an electrolyte, characterized in that it has at least one magnetic connecting means, in particular at least one part of a two-part magnetic connecting means.  
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23. The head or cover part as claimed in claim 22, characterized in that the magnetic connecting means is a magnet.
- 5 24. The head or cover part as claimed in claim 23, characterized in that the magnet is arranged in a sleeve-like receptacle, it preferably being possible for this receptacle to be closed off by a cover part.
- 10 25. The use of at least one magnetic connecting means to produce the electrical contact between at least one electrode and at least one current/voltage source during electrodeposition, in particular during the electrodeposition of shaped dental parts, such as skeletons for crowns, inlays, bridges and the like.